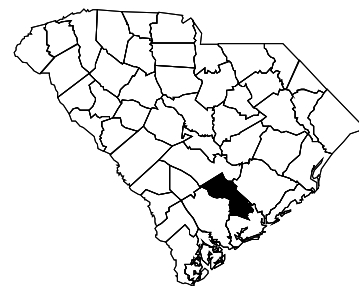


IMPACT OF CHRONIC CONDITIONS DORCHESTER County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Dorchester county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The majority (40%) of the population are between the ages of 18-44. Dorchester county has more people under the age of 45 (65%) than the state (63%). There are more females (51%) than males (49%). Dorchester county has a lower minority population (28%) than the state (31%). When adults in DHEC's region 7 which includes Dorchester County, were asked about their general health status, 84.2% reported having excellent, very good, or good health in 2005 (SC was 82%).

	DORCHESTER COUNTY	STATE
Population size	112,858	4,255,083
Age distribution (%)		
<18	25	24
18-44	40	38
45-64	25	25
65-84	9	11
85+	1	2
Race (%)		
White	72	69
Black & Other	28	31
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Dorchester County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	23	22
Sedentary lifestyle	23	26
Overweight	70	65
High Cholesterol	31	37

Some preventive measures such as and immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.1	.	.	.	.	31.7
Number of hospitalizations	110	77	32	40	70	5,032
Crude rate of hospitalizations (per 100,000)	97	245	39	72	122	118
Median age of hospitalized patients	57	57	62	52	57	57
Total cost of hospitalization (\$)	2,417,900	1,627,700	790,200	932,200	1,485,700	109,400,500
Average length of hospital stay (days)	4	4	4	3	4	5
Number of ED visits	137	70	67	51	86	7,466
Crude rate of ED visits (per 100,000)	121	222	82	92	150	175
Median age of ED patients	57	52	62	57	57	52
Total cost of ED visits (\$)	215,300	126,300	89,000	84,400	130,900	9,929,000
Number of deaths**	12	1	11	4	8	423
Age-Adjusted Death rate (per 100,000)**	16	5	20	16	16	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.1	.	.	.	.	4.1
Number of hospitalizations	1,190	267	923	615	575	60,901
Crude rate of hospitalizations (per 100,000)	1,054	848	1,134	1,110	1,000	1,431
Median age of hospitalized patients	67	67	67	62	72	67
Total cost of hospitalization (\$)	60,543,000	11,127,000	49,416,000	34,728,300	25,814,700	2,286,836,400
Average length of hospital stay (days)	5	6	5	5	6	5
Number of ED visits	260	76	184	151	109	12,989
Crude rate of ED visits (per 100,000)	230	241	226	273	190	305
Median age of ED patients	62	62	62	62	62	62
Total cost of ED visits (\$)	919,300	220,100	699,200	645,300	274,000	42,115,900
Number of deaths**	180	41	138	95	85	9,328
Age-Adjusted Death rate (per 100,000)**	201	205	206	255	163	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3	.	.	.	.	3
Number of hospitalizations	365	113	252	186	179	13,925
Crude rate of hospitalizations (per 100,000)	323	359	310	336	311	327
Median age of hospitalized patients	67	72	67	67	72	72
Total cost of hospitalization (\$)	10,638,500	3,852,300	6,786,200	5,752,600	4,885,900	384,441,600
Average length of hospital stay (days)	5	6	4	5	5	6
Number of ED visits	82	22	60	46	36	2,515
Crude rate of ED visits (per 100,000)	73	70	74	83	63	59
Median age of ED patients	67	65	67	67	67	67
Total cost of ED visits (\$)	316,400	78,400	238,000	173,600	142,800	9,113,000
Number of deaths**	67	19	48	25	42	2,440
Age-Adjusted Death rate (per 100,000)**	84	95	82	79	85	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	339	76	263	133	206	15,753
Crude rate of hospitalizations (per 100,000)	300	241	323	240	358	370
Median age of hospitalized patients	62	60	67	67	62	62
Total cost of hospitalization (\$)	7,227,900	1,418,900	5,809,000	2,814,400	4,413,500	268,425,300
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	626	249	377	262	364	36,543
Crude rate of ED visits (per 100,000)	555	791	463	473	633	859
Median age of ED patients	30	17	32	22	32	37
Total cost of ED visits (\$)	758,100	271,300	486,800	302,800	455,300	40,613,700
Number of deaths**	35	4	31	16	19	1,968
Age-Adjusted Death rate (per 100,000)**	42	22	49	51	37	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.5	.	.	.	.	10.3
Number of hospitalizations	188	102	86	78	110	9,027
Crude rate of hospitalizations (per 100,000)	167	324	106	141	191	212
Median age of hospitalized patients	52	55	52	52	55	52
Total cost of hospitalization (\$)	5,226,000	3,401,200	1,824,800	1,948,600	3,277,400	179,747,700
Average length of hospital stay (days)	7	8	5	6	7	6
Number of ED visits	146	82	64	66	80	9,603
Crude rate of ED visits (per 100,000)	129	260	79	119	139	226
Median age of ED patients	52	57	47	52	57	52
Total cost of ED visits (\$)	234,000	138,100	95,900	110,600	123,400	13,447,300
Number of deaths**	25	9	16	11	14	1,183
Age-Adjusted Death rate (per 100,000)**	28	45	23	32	26	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	386	92	294	198	188	16,389
Crude rate of hospitalizations (per 100,000)	342	292	361	358	327	385
Median age of hospitalized patients	67	65	67	67	67	62
Total cost of hospitalization (\$)	15,906,300	3,896,800	12,009,500	8,421,200	7,485,100	664,309,500
Average length of hospital stay (days)	7	8	7	7	7	8
Number of deaths**	171	39	129	87	84	8,617
Age-Adjusted Death rate (per 100,000)**	182	196	179	228	157	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	69	14	55	40	29	2,070
Crude rate of hospitalizations (per 100,000)	61	44	68	72	50	49
Median age of hospitalized patients	72	75	72	67	77	67
Total cost of hospitalization (\$)	2,871,800	772,600	2,099,200	1,498,700	1,373,100	101,377,700
Average length of hospital stay (days)	9	11	8	8	11	10
Number of deaths**	15	6	9	7	8	812
Age-Adjusted Death rate (per 100,000)**	17	34	13	18	16	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	21	8	13	-	21	1,228
Crude rate of hospitalizations (per 100,000)	37	50	31	-	30	56
Median age of hospitalized patients	62	50	62	-	62	62
Total cost of hospitalization (\$)	516,400	156,900	359,500	-	516,400	26,163,000
Average length of hospital stay (days)	3	4	3	-	3	3
Number of deaths**	13	5	8	-	13	651
Age-Adjusted Death rate (per 100,000)**	24	41	19	-	24	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	2	5	-	7	192
Crude rate of hospitalizations (per 100,000)	12	12	12	-	12	9
Median age of hospitalized patients	32	52	32	-	32	47
Total cost of hospitalization (\$)	170,200	27,700	142,500	-	170,200	4,668,500
Average length of hospital stay (days)	4	5	4	-	4	4
Number of deaths**	2	1	1	-	2	63
Age-Adjusted Death rate (per 100,000)**	3	7	2	-	3	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	49	10	39	27	22	2,181
Crude rate of hospitalizations (per 100,000)	43	32	48	49	38	51
Median age of hospitalized patients	67	67	67	67	67	67
Total cost of hospitalization (\$)	2,768,900	477,800	2,291,100	1,519,600	1,249,300	92,775,300
Average length of hospital stay (days)	9	9	9	9	9	9
Number of deaths**	63	9	53	32	31	2,703
Age-Adjusted Death rate (per 100,000)**	65	43	72	76	59	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	28	8	20	28	-	1,209
Crude rate of hospitalizations (per 100,000)	51	52	50	37	-	58
Median age of hospitalized patients	62	67	62	62	-	62
Total cost of hospitalization (\$)	758,200	340,900	417,300	758,200	-	30,356,600
Average length of hospital stay (days)	5	8	3	5	-	4
Number of deaths**	9	5	4	9	-	460
Age-Adjusted Death rate (per 100,000)**	34	125	14	34	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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